

Monday, July 10, 2017 11:59:42 AM

163852

Page 1

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 7/14/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 7/28/2017 Req'd Qty: 1.00 * 1 *

Customer:

Reference:

Approvals: Process Plan: [Signature] Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run	Start	*NR1*
	Stop	*NR2*

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Description Work Order Deviation		Disposition		Completed By																	
				Lead hand / Supervisor Approval Verification																	
				QC / QA Coordinator Approval																	
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OTHER : _____																					

Work Order ID 163852

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163852

Page 2

Item ID: D119-827-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Tail Rotor Pedal Lockout

Stop ***NS2***

Start Date: 7/14/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/28/2017 Req'd Qty: 1.00

1

Customer:

Reference:

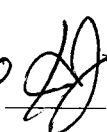
Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>Eg124</u>	0.00							AUG 08 2017
130	Packaging						DAS		
Packaging	Memo	0.00					28		
Packaging	Identify and pack for shipping as per PPP D119-827-011 Location: _____						9-89		
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									

17/8/10 
AUG 08 2017

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163852

D119-827-011

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4704-041		Manufactured	No			110	Each	3.0000	1	1			
D4704-041 Expandable Pin Assembly													
	DAS 28 9-89			<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST120		3							
				161563		1							
				162584		2							
D4703-041		Manufactured	No			110	Each	9.0000	2	2			
D4703-041 Lock Pin Assembly													
	DAS 28 9-89			<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST119		5							
				161950		1							
				162584		4							
				ST120		4							
				162972		4							
D4710-1		Manufactured	No			110	Each	6.0000	1	1			
D4710-1 Spacer													
	DAS 28 9-89			<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST120		6							
				140172		6							

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

Picklist Print

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Work Order ID: 163852

163852

Parent Item: D119-827-011

D119-827-011

Parent Item Name: Tail Rotor Pedal Lockout

Start Date: 7/14/2017

Required Date: 7/28/2017

Start Qty: 1.00

Required Qty: 1.00

D4721-1 Manufactured No

110 Each

9.0000

1

D4721-1

Decal

**

DAS JUL 18 2017

DAS

27

9-89

Location

Loc Qty

Loc Code

ST121

9

156734

3

162763

6

2/22/2018

6/16/2018

AN4-11A

Purchased No

110 Each

122.0000

2

AN4-11A

BOLT

**

DAS

6

9-89

JUL 18 2017

DAS

27

9-89

Location

Loc Qty

Loc Code

FG

20

120731

20

ST344

102

M137495

102

MS14144L4

Purchased No

110 Each

12.0000

2

MS14144L4

Nut

**

DAS

6

9-89

JUL 18 2017

DAS

27

9-89

Location

Loc Qty

Loc Code

ST316

12

m136835

12

MS24665-153

Purchased No

110 Each

27.0000

2

MS24665-153

Cotter Pin

**

DAS

6

9-89

JUL 18 2017

DAS

27

9-89

Location

Loc Qty

Loc Code

ST289

27

107139

27

DAS

28

9-89

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval																		
Description Work Order Deviation				Disposition				Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																	
Root Cause		FAULT CATEGORY																							
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Picklist Print

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Work Order ID: 163852

163852

Parent Item: D119-827-011

D119-827-011

Parent Item Name: Tail Rotor Pedal Lockout

Start Date: 7/14/2017

Required Date: 7/28/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0416J

Purchased

No

110

Each

3,458.000

2 2

NAS1149D0416.I

WASHER

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

610

m131511

610

ST264

2848

m131511

2848

NAS1149D0463J

Purchased

No

110

Each

2,881.000

8 8

NAS1149D0463.I

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

640

M135056

40

M137699

600

ST260a

1400

M137699

1400

ST263

841

M137371

841

NAS6604D16

Purchased

No

110

Each

63.0000

2 2

NAS6604D16

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

ST551

13

m136318

13

st552

50

m137736

50

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

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P-15 JUL											
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		OTHER : _____									

4.0 PARTS LIST

QTY -011	QTY -013	Part Number	Description
X		D119-827-011	TAIL ROTOR PEDAL LOCKOUT
	X	D109-827-013	TAIL ROTOR PEDAL LOCKOUT
2		D4703-041	LOCKOUT PIN ASSY
	1	D4703-045	LOCKOUT PIN ASSY
1		D4704-041	EXPANDABLE PIN ASSY
	1	D4704-043	EXPANDABLE PIN ASSY
1	1	D4710-1	SPACER
1	1	D4721-1	DECAL
	2	D5481-041	PLUG ASSEMBLY
2		AN4-11A	BOLT
	2	AN4H11A	BOLT
2		MS14144L4	NUT
2		MS24665-153	COTTER PIN
2		NAS1149D0416J	WASHER
8	2	NAS1149D0463J	WASHER
2		NAS6604D16	BOLT

5.0 WEIGHT AND BALANCE

Installation	Weight	Longitudinal		Lateral	
		Arm	Moment	Arm	Moment
D119-827-011 (A109/A119) <i>Tail Rotor Pedal Lockout</i>	0.52 lb 0.23 kg	32.6 in 0.83 m	16.9 in-lb 0.19 m-kg	-13.1 in -0.33 m	-6.8 in-lb -0.08 m-kg
D119-827-011 (206/407) <i>Tail Rotor Pedal Lockout</i>	0.52 lb 0.23 kg	33.0 in 0.84 m	17.2 in-lb 0.19 m-kg	-12.5 in -0.32 m	-6.5 in-lb -0.07 m-kg
D109-827-013 (AW109SP) <i>Tail Rotor Pedal Lockout</i>	0.54 lb 0.24 kg	32.6 in 0.83 m	17.6 in-lb 0.20 m-kg	-13.1 in -0.33 m	-7.1 in-lb -0.08 m-kg

Page 1

Quality Control

Supplemental Type Certificate

Number SR02258SE

This certificate, issued to

Dart Aerospace USA, Inc.
190 S. Danebo Ave.
Eugene, OR 97402

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number:

* See attached Federal Aviation Administration (FAA)

Make:

Approved Model List (AML) SR02258SE for approved

Model:

aircraft models and applicable airworthiness regulations

Description of the Type Design Change: Installation of a tail rotor pedal lockout kit in accordance with the applicable master document list and installation instructions as listed on AML SR02258SE.

Limitations and Conditions: Approval of this change in type design applies to the models listed on AML SR02258SE only. This approval should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and other previously approved modifications will introduce no adverse effect upon the airworthiness of that rotorcraft.

A copy of this certificate and the applicable instructions for continued airworthiness document as listed on AML SR02258SE must be maintained as part of the permanent records for the modified rotorcraft.

NOTE: The Pedal Lockout installations consist of a co-pilot pedal lock assembly that is designed to disconnect the co-pilot's tail rotor pedals from the flight control system when the co-pilot dual control sticks are removed, thus preventing passenger interference with flight controls.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 30, 2012

Date reissued:

Date of issuance: December 21, 2012

Date amended: March 17, 2014; June 29, 2017



By direction of the Administrator

Ken Faulkner
(Signature)

Manager

Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.